

**RESEARCH BRIEF**

**Enrollment, Awards, Graduates, and Entry-Level Job-Posting Data  
for NOVA's Information Technology and Healthcare Programs:  
2018-19 through 2020-21**

This research brief presents data on headcount enrollment, awards, graduates, and entry-level job-postings for the Information Technology (IT) and Healthcare programs at Northern Virginia Community College (NOVA). The data are provided for 2018-19 through 2020-21.

**Key Findings**

**IT Programs**

- Unduplicated headcount enrollment in NOVA's IT programs increased 1.5 percent, from 19,793 students in 2018-19 to 20,095 students in 2020-21.
- Total program awards for NOVA's IT graduates increased 31.5 percent, from 796 awards in 2018-19 to 1,047 awards in 2020-21.
- NOVA produced 36.1 percent of the graduates needed for entry-level IT job postings in the Northern Virginia region in 2020-21.

**Healthcare Programs**

- Unduplicated headcount enrollment in NOVA's Healthcare programs increased 312.9 percent, from 2,340 students in 2018-19 to 9,661 students in 2020-21.
- Total program awards for NOVA's Healthcare graduates increased 31.2 percent, from 407 awards in 2018-19 to 534 awards in 2020-21.
- NOVA produced 7.3 percent of the graduates needed for entry-level Healthcare job postings in the Northern Virginia region in 2020-21.

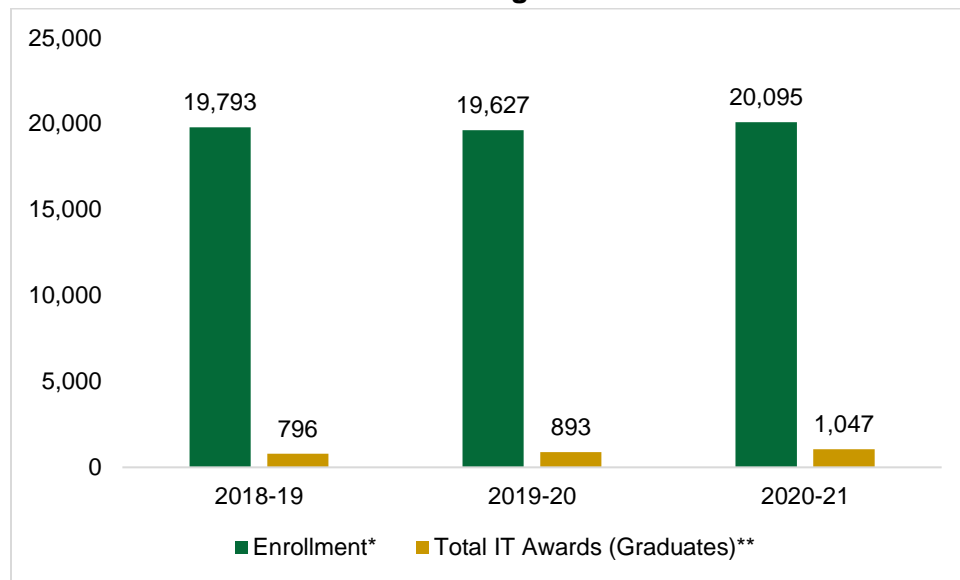
**Section 1. Enrollment and Awards: Information Technology  
and Healthcare Programs**

The headcount enrollment and award data in this section are for the given academic years. The enrollment data are unduplicated, meaning that a student is counted once per academic year, while the award data are duplicated, meaning that all awards earned by the graduate during that

year in the program indicated are presented. The number of IT awards in 2020-21, the most recent academic year given, aligned roughly with the number of IT program graduates, with each graduate earning 1.1 program awards in IT. In Healthcare programs during the 2018-19 through 2020-21 period, each graduate earned one Healthcare award.

As shown in Figure 1 and Table 1, unduplicated headcount enrollment in IT programs increased from 19,793 students in 2018-19 to 20,095 students in 2020-21, an increase of 1.5 percent. The total program awards for NOVA’s IT graduates also increased during the period, from 796 awards in 2018-19 to 1,047 awards in 2020-21, an increase of 31.5 percent.

**Figure 1. Enrollment and Awards, Information Technology Programs: 2018-19 through 2020-21**



\* Unduplicated headcount.  
 \*\* Duplicated headcount.

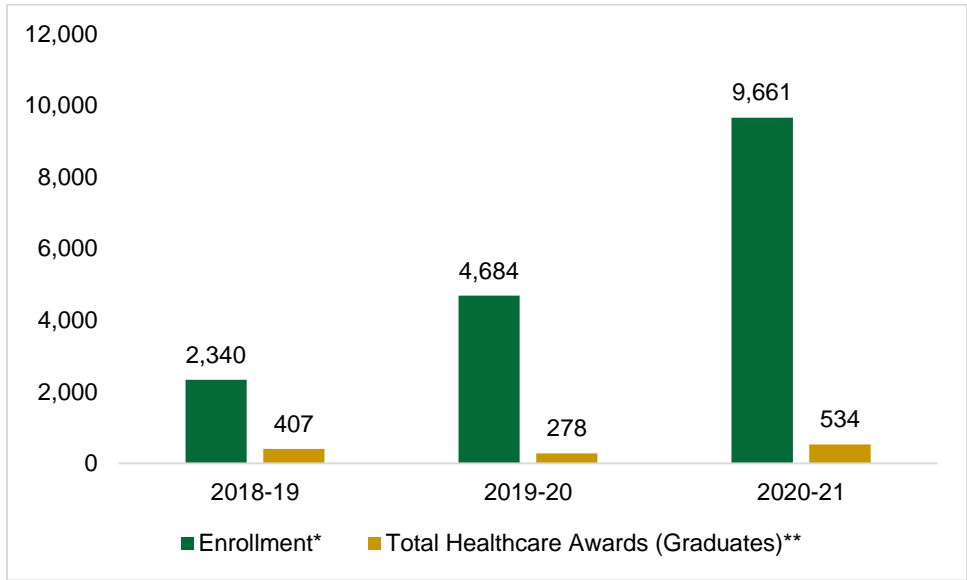
**Table 1. Enrollment and Awards, Information Technology Programs: 2018-19 through 2020-21**

	2018-19	2019-20	2020-21
Enrollment*	19,793	19,627	20,095
Total IT Awards (Graduates)**	796	893	1,047

\* Unduplicated headcount.  
 \*\* Duplicated headcount.

As shown in Figure 2 and Table 2 on the next page, unduplicated headcount enrollment in Healthcare programs increased from 2,340 students in 2018-19 to 9,661 students in 2020-21, an increase of 312.9 percent. The total program awards for NOVA’s Healthcare graduates also increased during the period, albeit more slightly, from 407 awards in 2018-19 to 534 awards in 2020-21, an increase of 31.2 percent.

**Figure 2. Enrollment and Awards, Healthcare Programs:  
2018-19 through 2020-21**



\* Unduplicated headcount.

\*\* Duplicated headcount.

**Table 2. Enrollment and Awards, Healthcare Programs:  
2018-19 through 2020-21**

	2018-19	2019-20	2020-21
Enrollment*	2,340	4,684	9,661
Total Healthcare Awards (Graduates)**	407	278	534

\* Unduplicated headcount.

\*\* Duplicated headcount.

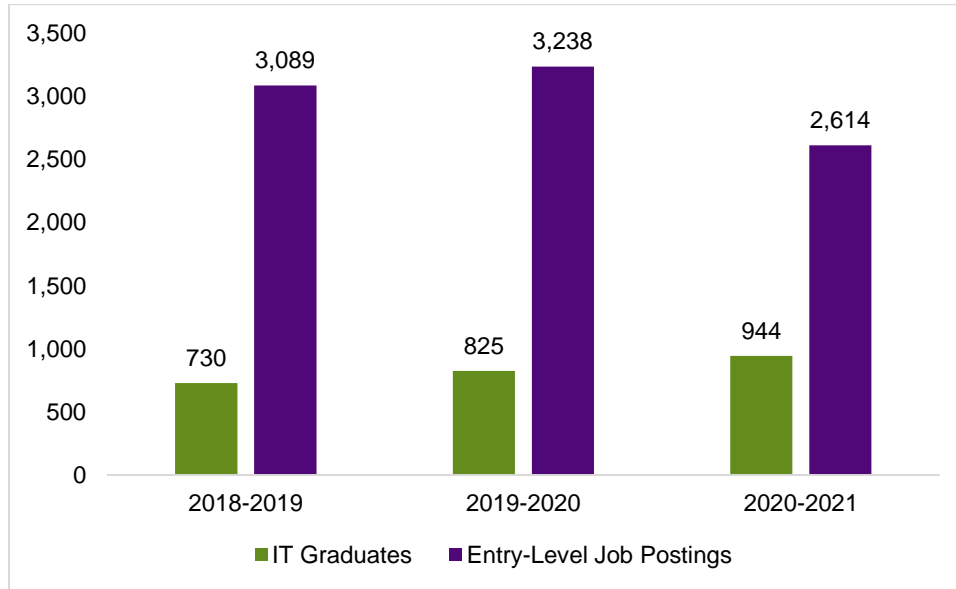
**Section 2. Graduates and Entry-Level Job Postings: Information Technology and Healthcare Programs**

The entry-level job-posting data in this section are for the corresponding calendar years. The numbers of job postings given are for the Northern Virginia region, and the job-posting data are presented alongside the total numbers of IT and Healthcare graduates during the period.

Figure 3 and Table 3 on the next page present the total number of IT graduates during the academic year alongside the number of entry-level IT job postings in Northern Virginia during the corresponding calendar year. In IT programs in 2020-21, the number of program awards aligned roughly with the number of graduates, with each graduate earning 1.1 program awards in IT. Based on the data presented, NOVA produced 36.1 percent of the graduates needed for entry-level IT job postings in the Northern Virginia region in 2020-21, up from 23.6 percent in 2018-19

and 25.5 percent in 2019-20, although the 2020-21 increase was due partly to fewer job postings in that calendar year.

**Figure 3. Graduates and Entry-Level Job Postings, Information Technology Programs: 2018-19 through 2020-21**



\* Source: NOVA labor-market data. Comprises job postings in the Northern Virginia region. "Entry-level" denotes positions requiring less than a bachelor's degree, 0-2 years' experience, and no security clearance.

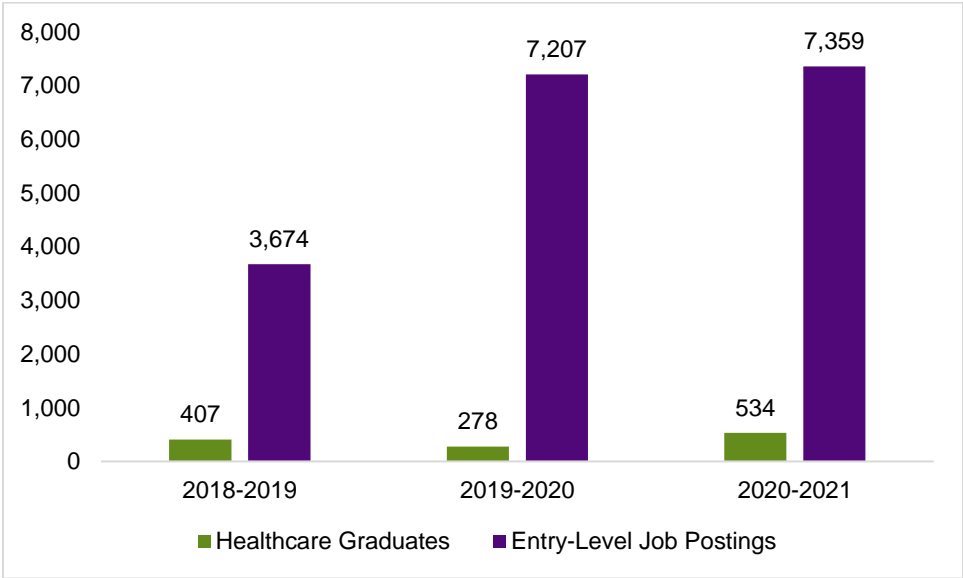
**Table 3. Graduates and Entry-Level Job Postings, Information Technology Programs: 2018-19 through 2020-21**

	2018-19	2019-20	2020-21
Total IT Graduates	730	825	944
Entry-Level Job Postings*	3,089	3,238	2,614

\* Source: NOVA labor-market data. Comprises job postings in the Northern Virginia region. "Entry-level" denotes positions requiring less than a bachelor's degree, 0-2 years' experience, and no security clearance.

Figure 4 and Table 4 on the next page present the total number of Healthcare graduates during the academic year alongside the number of entry-level Healthcare job postings in Northern Virginia during the corresponding calendar year. In Healthcare programs during the period, the number of program awards aligned with the number of graduates, with each graduate earning one Healthcare award. Based on the data presented, NOVA produced 7.3 percent of the graduates needed for entry-level Healthcare job postings in the Northern Virginia region in 2020-21, up from 3.9 percent in 2019-20 but down from 11.1 percent in 2018-19. Importantly, the number of entry-level job postings in Healthcare fields increased by 100.3 percent during the period, which affected this result.

**Figure 4. Graduates and Entry-Level Job Postings, Healthcare Programs:  
2018-19 through 2020-21**



\* Source: NOVA labor-market data. Comprises job postings in the Northern Virginia region. “Entry-level” denotes positions requiring less than a bachelor’s degree, 0-2 years’ experience, and no security clearance.

**Table 4. Graduates and Entry-Level Job Postings, Healthcare Programs:  
2018-19 through 2020-21**

	2018-19	2019-20	2020-21
Total Healthcare Graduates	407	278	534
Entry-Level Job Postings*	3,674	7,207	7,359

\* Source: NOVA labor-market data. Comprises job postings in the Northern Virginia region. “Entry-level” denotes positions requiring less than a bachelor’s degree, 0-2 years’ experience, and no security clearance.